



Docket No. 58404 (71432)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: C. Thru et al.

Serial No.: 10/717,434

GROUP: 1632

Filed: November 18, 2003

For: ANTISENSE DESIGN

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

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CERTIFICATION UNDER 37 C.F.R. 1.10\*

(Express Mail label number is **mandatory**.)

(Express Mail certification is optional.)

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on this date **July 27, 2004**, in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number **EV438993457US**, addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, Mail Stop Missing Parts.

Lee Dunkle

(type or print name of person mailing paper)

*Lee Dunkle*

Signature of person mailing paper

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Sir:

INFORMATION DISCLOSURE STATEMENT

In accordance with the provisions of 37 C.F.R. §§1.56 and 1.97, Applicants herewith submit the publications and/or patents shown on the attached form PTO-1449, for consideration by the Examiner in connection with the examination of the above-identified patent application.

REMARKS

In accordance with the provisions of 37 C.F.R. §1.97, this statement is being filed:

- X   (1) within three (3) months of the Filing Date or **before the mailing date of the First Office Action** on the merits; or
- (2) within three months of the mailing date of the Search Report issued by the **European Patent Office** (dated       ) (**COPY ENCLOSED**); or
- (3) after the period defined in (1) but before the mailing date of a **Final Rejection or Notice of Allowance**, and the requisite Certification or fee under Rule 1.17(p), namely **\$180.00**, is included herein; or

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\_\_\_\_\_ (4) after the mailing date of a **Final Rejection** or **Notice of Allowance** but before the payment of the **Issue Fee**, and the requisite Certification, petition, and petition fee are included herein.

It is respectfully requested that each of the documents shown on the attached form(s) PTO-1449 be made of record in this application. Copies of these documents (CHECK ONE):

  X   are enclosed herewith; or

\_\_\_\_\_ have been cited in the parent application, and are thus not being resubmitted herein.

Early examination and allowance of the present application are respectfully solicited.

#### **FEE AUTHORIZATION**

Should any fees associated with the submission be required, the Commissioner is authorized to charge the missing fee to our Deposit Account, No. 04-1105. Any overpayments should be credited to said Deposit Account.

Respectfully submitted,



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Date: July 27, 2004

|   |    |  |             |                        |              |                 |                               |
|---|----|--|-------------|------------------------|--------------|-----------------|-------------------------------|
| FORM PTO-1449   |    | DOCKET NO.: 2004-087404 (71432)  |             | SERIAL NO.: 10/717,434 |              |                 |                               |
| INFORMATION DISCLOSURE STATEMENT  |    | APPLICANT(S): c. Thru et al.   |             |                        |              |                 |                               |
|   |    | FILING DATE: November 18, 2003   |             | GROUP NO.: 1632        |              |                 |                               |
| <b>FOREIGN PATENT DOCUMENTS</b>   |    |  |             |                        |              |                 |                               |
|   |    | <b>DOCUMENT<br/>NUMBER</b>   | <b>DATE</b> | <b>COUNTRY</b>         | <b>CLASS</b> | <b>SUBCLASS</b> | <b>TRANSLATION<br/>YES/NO</b> |
|   | AA | WO 99/14226  | 03/25/99    | WIPO                   |              |                 |                               |
|   | AB | WO 98/39352  | 09/11/98    | WIPO                   |              |                 | No                            |
| <b>OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)</b> |    |  |             |                        |              |                 |                               |
|   | AC | Nielsen et al., <i>J. Chem. Soc., Perkin Trans. I</i> , pp. 3423-3433 (1997).                |             |                        |              |                 |                               |
|   | AD | Nielsen et al., <i>Chem. Commun.</i> , 9:825-826 (1997).                                     |             |                        |              |                 |                               |
|   | AE | Christensen et al., <i>J. Am. Chem. Soc.</i> , 120:5458-5463 (1998).                         |             |                        |              |                 |                               |
|   | AF | Koshkin et al., <i>J. Org. Chem.</i> , 63(8):2778-2781 (1998).                               |             |                        |              |                 |                               |
|   | AG | Koshkin et al., <i>J. Am. Chem. Soc.</i> 120(50):13252-13253 (1998).                         |             |                        |              |                 |                               |
|   | AH | Kumar et al., <i>Bioorg. &amp; Med. Chem. Lett.</i> , 8:2219-2222 (1998).                    |             |                        |              |                 |                               |
|   | AI | Braasch et al., <i>Biochemistry</i> , 41(14):4503-4510 (2002).                               |             |                        |              |                 |                               |
|   | AJ | Crinelli et al., <i>Nucl. Acid. Res.</i> , 30(11):2435-2443 (2002).                          |             |                        |              |                 |                               |
|   | AK | Elayadi et al., <i>Biochemistry</i> , 41:9973-9981 (2002).                                   |             |                        |              |                 |                               |
|   | AL | Jacobsen et al., <i>Nucl. Acid. Res.</i> , 30(19), in press (2002).                          |             |                        |              |                 |                               |
|   | AM | Kurreck et al., <i>Nucl. Acid. Res.</i> , 30(9),1911-1918 (2002).                            |             |                        |              |                 |                               |
|   | AN | Obika et al., <i>Bioorg. &amp; Med. Chem.</i> , 9:1001-1011 (2001).                          |             |                        |              |                 |                               |
|   | AO | Braasch et al., <i>Chem. &amp; Biol.</i> , 55:1-7 (2000).                                    |             |                        |              |                 |                               |
|   | AP | Wahlestedt et al., <i>PNAS</i> , 97(10):5633-5638 (2000).                                    |             |                        |              |                 |                               |
|   | AQ | Freier et al., <i>Nucl. Acid Res.</i> , 25(22):4429-4443 (1997).                             |             |                        |              |                 |                               |
|   | AR | Cook, <i>Nucleosides &amp; Nucleotides</i> , 18(6&7), 1141-62 (1999).                        |             |                        |              |                 |                               |
|   | AS | Singh, <i>J. Org. Chem.</i> , 63:6078-6079 (1998).   |             |                        |              |                 |                               |
|   | AT | Singh et al. <i>J. Org. Chem.</i> , 63:10035-10039 (1998).                                   |             |                        |              |                 |                               |
|   | AU | Rajwanshi et al., <i>J. Chem Commun.</i> , pp. 2073-2074 (1999).                             |             |                        |              |                 |                               |
|   | AV | Hakansson et al., <i>Bioorg Med Chem Lett</i> , 11:935-938 (2001).                           |             |                        |              |                 |                               |
|   | AW | Rajwanshi et al., <i>Chem Commun.</i> , pp. 1395-1396 (1999).                                |             |                        |              |                 |                               |
|   | AX | Wengel et al., <i>Nucleosides, Nucleotides &amp; Nucleic Acids</i> , 20(4-7):389-396 (2001). |             |                        |              |                 |                               |
|   | AY | Rajwanshi et al., <i>Angew. Chem. Int. Ed.</i> , 39(9):1656-1659 (2000).                     |             |                        |              |                 |                               |
|   | AZ | Petersen et al., <i>J. Am. Chem. Soc.</i> , 123:7431-7432 (2001).                            |             |                        |              |                 |                               |
|   | BA | Sørensen et al., <i>J. Am. Chem. Soc.</i> , 124(10):2164-2176 (2002).                        |             |                        |              |                 |                               |
|   | BB | Vester et al., <i>J. Am. Chem. Soc.</i> , 124(46):13682-13683 (2002).                        |             |                        |              |                 |                               |
|   | BC | Arzumanov et al., <i>Biochemistry</i> 40:14645-14654 (2001).                                 |             |                        |              |                 |                               |
|   | BD | Zamecnik et al., <i>PNAS</i> , 75(1):280-284 (1978).   |             |                        |              |                 |                               |
|   | BE | Bennet et al., <i>Biochim. Biophys. Acta</i> , 1489:19-30 (1999).                            |             |                        |              |                 |                               |
|   | BF | Crooke, <i>Biotechnol. Genet. Eng. Rev.</i> , 15:121-57 (1998).                              |             |                        |              |                 |                               |
|   | BG | Wengel, <i>J. In Antisense Drug Technology; Principles</i> , pp. 339-355 (2001).             |             |                        |              |                 |                               |
|   | BH | Simeonov et al., <i>Nucleic Acids Research</i> , 30(17), in press (2002).                    |             |                        |              |                 |                               |
|   | BI | Childs et al., <i>PNAS</i> , 99(17):11091-11096 (2002).                                      |             |                        |              |                 |                               |
| Examiner:   |    |  |             |                        | Date:        |                 |                               |